

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PULSE SHAPING SIGNALS FOR ULTRAWIDEBAND COMMUNICATION.**

The specification of which was filed on March 31, 2004 as application serial no. 10/815,171.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

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Attorney Docket No.: 884.869US1
Serial No. 10/815.171
Filing Date: March 31, 2004

I hereby appoint the following attorney(s) and/or patent agent(s) associated with Customer Number 45457 to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

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Full Name of joint inventor number 1 : Keith R Tinsley
Citizenship: United States of America
Post Office Address: 6280 SW Timberland Place
Beaverton, OR 97007

Residence: Beaverton, OR

Signature: _____

Keith R Tinsley

Date: _____

8/3/2004

☒ Additional inventors are being named on separately numbered sheets, attached hereto.

Full Name of joint inventor number 2 : Jeffery R Foerster
Citizenship: United States of America Residence: Portland, OR
Post Office Address: 2533 NW 83rd Place
Portland, OR 97229

Signature: _____ Date: _____
Jeffery R Foerster

Full Name of joint inventor number 3 : Minnie Ho
Citizenship: United States of America Residence: Los Altos, CA
Post Office Address: 405 Becker Lane
Los Altos, CA 94022

Signature: _____ Date: _____
Minnie Ho

Full Name of joint inventor number 4 : Evan R Green
Citizenship: United States of America Residence: Beaverton, OR
Post Office Address: 14720 NW Forestel Loop
Beaverton, OR 97006

Signature: _____ Date: _____
Evan R Green

Full Name of joint inventor number 5 : Luiz M. Franca-Neto
Citizenship: Brazil Residence: Portland, OR
Post Office Address: 10921 NW Barrett Way
Portland, OR 97229

Signature: _____ Date: _____
Luiz M. Franca-Neto

Full Name of joint inventor number 6 : Siva G. Narendra
Citizenship: India Residence: Portland, OR
Post Office Address: 7180 SW 84th Avenue
Portland, OR 97223

Signature: _____ Date: _____
Siva G. Narendra

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Signature: _____

Jeffery R Foerster

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9-10-2004Full Name of joint inventor number 3 : Minnie HoCitizenship: United States of AmericaResidence: Los Altos, CAPost Office Address: 405 Becker Lane
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Attorney Docket No.834.B69US1

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Signature: _____ Date: 08/07/04
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Signature: _____ Date: _____
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- (2) It refutes, or is inconsistent with, a position the applicant takes in:
 - (i) Opposing an argument of unpatentability relied on by the Office, or
 - (ii) Asserting an argument of patentability.

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(c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:

- (1) Each inventor named in the application;
- (2) Each attorney or agent who prepares or prosecutes the application; and
- (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.

(d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application **COMBINED DECLARATION AND POWER OF ATTORNEY**

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: **PULSE SHAPING SIGNALS FOR ULTRA WIDEBAND COMMUNICATION.**

The specification of which was filed on March 31, 2004 as application serial no. 10/815,171.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. § 1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

No such claim for priority is being made at this time.

I hereby appoint the following attorney(s) and/or patent agent(s) associated with Customer Number 45457 to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to **Customer Number 21186** at the address indicated below:

Schwegman, Lundberg, Woessner & Kluth, P.A.
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612) 373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1 : Keith R Tinsley
 Citizenship: United States of America Residence: Beaverton, OR
 Post Office Address: 6280 SW Timberland Place
Beaverton, OR 97007

Signature: _____ Date: _____
Keith R Tinsley

☒ Additional inventors are being named on separately numbered sheets, attached hereto.

Attorney Docket No.: 884.B69US1
Serial No. 10/815,171
Filing Date: March 31, 2004

Page 3 of 4

Full Name of joint inventor number 2 : Jeffery R Foerster
Citizenship: United States of America Residence: Portland, OR
Post Office Address: 2533 NW 83rd Place
Portland, OR 97229

Signature: _____ Date: _____
Jeffery R Foerster

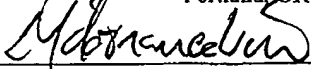
Full Name of joint inventor number 3 : Minnie Ho
Citizenship: United States of America Residence: Los Altos, CA
Post Office Address: 405 Becker Lane
Los Altos, CA 94022

Signature: _____ Date: _____
Minnie Ho

Full Name of joint inventor number 4 : Evan R Green
Citizenship: United States of America Residence: Beaverton, OR
Post Office Address: 14720 NW Forestel Loop
Beaverton, OR 97006

Signature: _____ Date: _____
Evan R Green

Full Name of joint inventor number 5 : Luiz M. Franca-Neto
Citizenship: Brazil Residence: Portland, OR
Post Office Address: 10921 NW Barrett Way
Portland, OR 97229

Signature:  Date: 12/07/09
Luiz M. Franca-Neto

Full Name of joint inventor number 6 : Siva G. Narendra
Citizenship: India Residence: Portland, OR
Post Office Address: 7180 SW 84th Avenue
Portland, OR 97223

Signature: _____ Date: _____
Siva G. Narendra

§ 1.56 Duty to disclose information material to patentability.

(a) A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

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ATTN: CHRIS HAMMOND

Attorney Docket No.884.B69US1

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

United States Patent Application
COMBINED DECLARATION AND POWER OF ATTORNEY

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Includes Signature of Siva G. Narasimha

Attorney Docket No.: 884.B69US1
Serial No. 10/815,171
Filing Date: March 31, 2004

Page 2 of 4

I hereby appoint the following attorney(s) and/or patent agent(s) associated with **Customer Number 45457** to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

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Full Name of joint inventor number 1 : **Keith R Tinsley**
Citizenship: **United States of America**
Post Office Address: **6280 SW Timberland Place**
Beaverton, OR 97007

Residence: **Beaverton, OR**

Signature: _____ Date: _____
Keith R Tinsley

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Attorney Docket No.: 884.B69US1
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Page 3 of 4

Full Name of joint inventor number 2 : Jeffery R Foerster
Citizenship: United States of America Residence: Portland, OR
Post Office Address: 2533 NW 83rd Place
Portland, OR 97229

Signature: _____ Date: _____
Jeffery R Foerster

Full Name of joint inventor number 3 : Minnie Ho
Citizenship: United States of America Residence: Los Altos, CA
Post Office Address: 405 Becker Lane
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Signature: _____ Date: _____
Minnie Ho

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Signature: _____ Date: _____
Evan R Green

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Portland, OR 97229

Signature: _____ Date: _____
Luiz M. Franca-Neto

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Citizenship: India Residence: Portland, OR
Post Office Address: 7180 SW 84th Avenue
Portland, OR 97223

Signature: _____ Date: Aug 30, 2004
Siva G. Narendra

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